

# An Introduction to the Common Core State Standards (CCSS)

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# CC – Starting Point

There are two types of  
Common Core Standards...

1. National CC Standards
2. State CC Standards

# NATIONAL COMMON CORE

# Common Core Standards - Goal

Create standards that are...

“Research and evidence-based,  
aligned with college and work  
expectations, include rigorous  
content and skills and are  
internationally benchmarked.”

# Webb's Depth Of Knowledge Scale

## COGNITIVE LEVEL COMPARISON MATRIX: BLOOM AND WEBB

### CATEGORIES

BLOOM		WEBB	
1.0	Knowledge	1.0	Recall
2.0	Comprehension	2.0	Basic Application of Skill/Concept
3.0	Application		
4.0	Analysis	3.0	Strategic Thinking
5.0	Synthesis	4.0	Extended Thinking
6.0	Evaluation		

### DEFINITIONS

BLOOM		WEBB	
1.0	Student remembers or recalls appropriate previously learned information.	1.0	Student recalls facts, information, procedures, or definitions.
2.0	Student translates, comprehends, or interprets information based on prior learning.	2.0	Student uses information, conceptual knowledge, and procedures.
3.0	Student selects, transfers, and uses data and principles to complete a task or problem with a minimum of direction		
4.0	Student distinguishes, classifies, and relates the assumptions, hypotheses, evidence, or structure of a statement or question.	3.0	Student uses reasoning and develops a plan or sequence of steps; process has some complexity.
5.0	Student originates, integrates, and combines ideas into a product, plan, or proposal that is new.	4.0	Student conducts an investigation, needs time to think and process multiple conditions of problem or task.
6.0	Student appraises, assesses, or critiques on a basis of specific standards and criteria.		

# Webb's Action Words

<b>1.0</b>	define, identify, name, select, state, order (involves a one-step process)
<b>2.0</b>	apply, choose, compute, employ, interpret, graph, modify, operate, plot, practice, solve, use (involves a two-step process)
<b>3.0</b>	compare, contrast, correlate, differentiate, discriminate, examine, infer, maximize, minimize, prioritize, subdivide, test
<b>4.0</b>	arrange, collect, construct, design, develop, formulate, organize, set up, prepare, plan, propose, create, experiment and record data

# CC – Focal Points

The major focal points of the Common Core State Standards are...

- Increased Rigor
- College & Career Readiness

# National CC

In ALL CC Standards documents, there are 3 different types of Standards:

1. "Content" Standards
2. "Process" Standards
3. "Performance" Standards



# National CC - Resources

- Common Core State Standards for English Language Arts & Literacy in History/Social Studies/Science, and Technical Subjects
- Common Core State Standards for Mathematics

# National CC: Organization

## English Language Arts (ELA):

### Four strands

- Reading
- Writing
- Speaking and Listening
- Language

# CC ELA: New Emphasis

## Reading

- Balance of literature and informational texts
- Text complexity

## Writing

- Emphasis on argument and informative/explanatory writing
- Writing about sources

<http://www.corestandards.org/the-standards/english-language-arts-standards/anchor-standards/college-and-career-readiness-anchor-standards-for-language/>

<http://www.corestandards.org/about-the-standards/key-points-in-english-language-arts>

# CC ELA: New Emphasis

## Speaking and Listening

- Comprehension and collaboration
- Inclusion of formal and informal talk

## Language

- Stress on general academic and domain-specific vocabulary

<http://www.corestandards.org/the-standards/english-language-arts-standards/anchor-standards/college-and-career-readiness-anchor-standards-for-language/>

<http://www.corestandards.org/about-the-standards/key-points-in-english-language-arts>

# National CC: Organization

## Math:

### Eight Standards for Math Practice

1. Make sense of problems and persevere in solving them
2. Reason abstractly and quantitatively
3. Construct viable arguments and critique the reasoning of others
4. Model with mathematics
5. Use appropriate tools strategically
6. Attend to precision
7. Look for and make use of structure
8. Look for and express regularity in repeated reasoning

# PA Adoption of the Common Core Standards - Background

- Pennsylvania agreed that the Common Core will represent at least 85% of academic standards in reading and math. But in essence, PA adopted 100% of the National CCSS w/ a % of current PA standards added in.
- From the report to the State Board of Education:
  - Approximately 80% of PA ELA Standards moderately or strongly aligned to Common Core.
  - Approximately 50% of PA Math Standards moderately or strongly aligned to Common Core.
- Webb's Depth of Knowledge (DOK) framework was used to define the degree of alignment of CC Standards against the related PA Standards.

# PA COMMON CORE

# PA Standards Aligned System (SAS)





# New PA CCSS - Drafts

- Pennsylvania Common Core State Standards (CCSS) – Drafts
  - (Released March 7, 2012)
- Assessment Anchors & Eligible Content – Drafts
  - (Released March 7, 2012)

# Academic Standards for English Language Arts\*

*Grades 6 - 12*  
*February 28, 2012*



*Pennsylvania Department of Education*

*\*Note: Draft version of the PA Common Core Standards, pending approval by the State Board.*

# PA CCSS ELA: Grade Pre K - 12

Five standard categories which are designed to provide a Pre K – 12 continuum to reflect the demands of a college and career ready graduate...

- Standard 1: Foundational Skills**
- Standard 2: Reading Informational Text**
- Standard 3: Reading Literature**
- Standard 4: Writing**
- Standard 5: Speaking and Listening**

# Academic Standards for Mathematics\*

*Grades Pre K – High School*  
*February 27, 2012*



*Pennsylvania Department of Education*

*\*Note: Draft version of the PA Common Core Standards, pending approval by the State Board.*

# PA CCSS

## Mathematical Content and Mathematical Practice

PA Common Core Standards Mathematical Content and Mathematical Practice	
Standards for Mathematical Content	Standards for Mathematical Practice
<b>2.1 Numbers and Operations</b> A) Counting and Cardinality B) Number and Operations in Base Ten C) Number and Operations—Fractions D) Ratios and Proportional Relationships E) The Number System F) Number and Quantity	<ul style="list-style-type: none"><li>• Make sense of problems and persevere in solving them.</li><li>• Use appropriate tools strategically.</li><li>• Reason abstractly and quantitatively.</li><li>• Attend to precision.</li><li>• Construct viable arguments and critique the reasoning of others.</li><li>• Look for and make use of structure.</li><li>• Model with mathematics.</li><li>• Look for and make sense of regularity in repeated reasoning.</li></ul>
<b>2.2 Algebraic Concepts</b> A) Operations and Algebra Thinking B) Expressions & Equations C) Functions D) Algebra	
<b>2.3 Geometry</b> A) Geometry	
<b>2.4 Data Analysis and Probability</b> A) Measurement and Data B) Statistics and Probability	

# Mathematical Standards: Development and Progression

Mathematical Standards: Development and Progression												
Standards for Mathematical Practice												
<p>Make sense of problems and persevere in solving them. Construct viable arguments and critique the reasoning of others. Use appropriate tools strategically. Look for and make use of structure.</p>						<p>Reason abstractly and quantitatively. Model with mathematics. Attend to precision. Look for and express regularity in repeated reasoning.</p>						
	Pre K	K	1	2	3	4	5	6	7	8	HS	
2.1 Numbers and Operations	(A) Counting & Cardinality											
	(B) Number and Operations in Base Ten						(D) Ratios and Proportional Relationships			(F) Number and Quantity		
					(C) Number and Operations - Fractions		(E) The Number System					
2.2 Algebraic Concepts	(A) Operations and Algebraic Thinking						(B) Expressions and Equations			(D) Algebra		
										(C) Functions		
2.3 Geometry	(A) Geometry											
2.4 Data Analysis and Probability	(A) Measurement and Data						(B) Statistics and Probability					22

# Our Next Steps – Curriculum Revisions

- Begin the transition between current PA State Standards & Common Core State Standards w/o losing sight of PA State Standards.

## Note:

- Curriculum Revisions to be completed by:
  - July 1, 2013 (according to state law)
- We will still be assessed on the current PA State standards through 2013 (w/ field testing of new questions being embedded in the 2013 assessment)
- New PA CCSS Assessment in 2014 (Gr. 3-5)
- New PA CCSS Assessment in 2015 (Gr. 6-8)
- New Keystone Exams (Alg I, Biology, & Lit.)

# Our Next Steps – Curriculum Revisions

- Incorporate more Webb's DOK Level 2, 3, & 4 tasks into classrooms – this will support preparation for Keystones as well.
- Learn to use the resources on SAS portal since SAS is & will continue to be the vehicle used for understanding the Common Core State Standards.



# Questions & Answers

